

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/014530

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ F16C35/063, 33/60, 43/04, B60B27/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ F16C35/063, 33/60, 43/04, B60B27/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 10-272903 A (NSK Ltd.), 13 October, 1998 (13.10.98), Full text; all drawings & US 6113279 A Full text; all drawings & GB 2323823 A	1-6
A	JP 2000-211302 A (NSK Ltd.), 02 August, 2000 (02.08.00), Full text; all drawings (Family: none)	1-6
A	JP 2003-83353 A (NSK Ltd.), 19 March, 2003 (19.03.03), Full text; all drawings (Family: none)	1-6

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
13 December, 2004 (13.12.04)

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28 December, 2004 (28.12.04)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2000-145797 A (Toyota Motor Corp.), 26 May, 2000 (26.05.00), Full text; all drawings (Family: none)	1-6
A	JP 2002-327715 A (Koyo Seiko Co., Ltd.), 15 November, 2002 (15.11.02), Full text; all drawings (Family: none)	1-6